

The Importance of Highways to U.S. Agriculture

APPENDIX D

Detailed Commodity Production and Flow Data by State

Read the full report:

<http://dx.doi.org/10.9752/TS295.12-2020>

Table 1 shows the volume of agricultural production of the focus commodities¹ by commodity group for each State, as determined by 2017 Census of Agriculture variables. The top ten producing States for each commodity group are bolded.

Table 1: Volume of Agricultural Production of Focus Commodities by Commodity Group by State, in 2017					
State	Heads of Livestock (cattle, hogs)	Heads of Poultry (chickens, turkeys)	Harvested Acres of Fruits and Vegetables (selected commodities) ²	Harvested Acres of Grains (corns, soybeans, wheat)	Heads of Dairy Cows
AL	3,134,902	206,170,135	3,508	683,282	3,646
AK	8,525	2,421	624	-	61
AZ	1,908,363	6,285	5,909	134,656	188,168
AR	4,248,947	200,913,329	924	4,208,362	4,365
CA	11,333,218	32,705,260	529,862	305,290	1,731,200
CO	7,171,093	22,505	24,081	3,384,837	157,891
CT	109,301	26,614	2,238	6,484	19,855
DE	32,051	52,484,914	4,184	414,878	4,560
DC	-	-	-	-	-
FL	4,039,226	12,768,989	384,336	50,213	110,517
GA	2,456,712	241,621,704	28,446	451,607	59,577
HI	301,242	1,539	606	4,899	29
ID	5,445,254	15,834	307,137	1,311,407	599,791
IL	7,699,938	750,162	1,259	22,161,432	87,865
IN	5,687,601	13,549,698	10,374	11,620,979	154,333
IA	32,960,356	7,098,306	1,025	22,925,434	189,938
KS	15,934,800	215,757	424	17,355,184	109,238
KY	5,340,337	49,419,479	1,651	3,479,310	55,299
LA	1,999,015	28,122,686	757	1,732,329	11,296
ME	172,892	29,768	52,278	6,698	29,447
MD	435,657	59,382,732	5,834	1,113,491	47,979
MA	84,137	38,306	7,684	2,622	11,992
MI	3,814,326	3,364,683	71,528	5,139,288	437,000
MN	14,029,883	27,140,505	31,915	17,120,542	405,570
MO	12,579,088	56,126,308	3,010	9,782,170	76,314

1 Table 3 in the full report defines these focus commodities and the top 10 producing States.

2 Selected fruits and vegetables include apples, strawberries, oranges, watermelons, lettuce, dry onions, and potatoes other than sweet.

(continued) Table 1: Volume of Agricultural Production of Focus Commodities by Commodity Group by State, in 2017

State	Heads of Livestock (cattle, hogs)	Heads of Poultry (chickens, turkeys)	Harvested Acres of Fruits and Vegetables (selected commodities) ³	Harvested Acres of Grains (corns, soybeans, wheat)	Heads of Dairy Cows
MS	2,575,142	136,348,017	2,137	2,682,077	6,694
MT	6,334,724	51,960	9,586	4,762,100	10,476
NE	19,779,068	443,075	4,054	16,176,830	40,120
NV	1,172,465	1,566	65	9,514	13,257
NH	78,261	29,351	1,277	-	12,493
NJ	71,065	12,302	4,754	195,391	6,118
NM	3,407,022	6,730	9,126	163,660	326,746
NY	3,128,752	88,883	64,380	919,868	628,223
NC	10,316,035	174,941,598	14,897	2,954,355	39,645
ND	4,550,288	182,077	45,633	16,746,689	7,952
OH	5,376,419	18,671,351	4,805	8,838,832	261,368
OK	13,485,250	35,555,070	516	3,969,614	22,268
OR	3,057,413	2,287,999	80,042	900,721	126,542
PA	4,796,870	36,852,933	26,602	1,750,420	527,338
RI	12,829	1,210	834	121	577
SC	933,256	55,966,175	4,754	808,557	13,327
SD	11,195,760	1,283,850	11	12,156,348	102,400
TN	4,607,133	28,065,654	1,041	2,666,696	38,819
TX	30,514,458	113,628,404	37,190	4,846,296	483,689
UT	1,844,650	3,058,060	2,967	176,509	96,073
VT	530,512	17,938	2,035	13,154	128,742
VA	3,640,702	49,336,570	10,759	1,120,138	81,039
WA	2,553,869	2,775,217	353,592	2,325,646	275,300
WV	946,386	14,002,791	2,737	64,008	6,904
WI	7,837,442	10,571,713	62,932	5,485,975	1,269,455
WY	3,232,912	4,761	4	182,153	929

Source: 2017 Census of Agriculture (USDA, 2019)

3 Selected fruits and vegetables include apples, strawberries, oranges, watermelons, lettuce, dry onions, and potatoes other than sweet.

Table 2 shows the domestic volume of focus commodities⁴ moved by truck on the High-Volume Domestic Agriculture Highways (HDAH) by commodity group by State. The top ten States for domestic volume of commodities moved for each commodity group are bolded. Note that Alaska, Hawaii, and the District of Columbia are not listed in this table, because they have no HDAH. Section 5 of the full report and Appendix C include more information on how the HDAH are defined.

Table 2: Domestic Volume (in thousands of tons) of Focus Commodities Moved by Truck on HDAH by Commodity Group by State

State	Fruit & Vegetables ⁵	Milk (milk & dairy products)	Meat (fresh and frozen meat and poultry)	Grains (corns, soybeans, wheat)	Livestock (cattle, hogs)	Poultry (chickens, turkeys)
AL	361	1,203	2,405	1,822	222	2,418
AR	545	2,681	3,587	15,540	254	3,187
AZ	1,151	2,045	1,231	702	36	7
CA	10,418	21,927	3,865	9,987	1,110	120
CO	1,938	5,179	1,993	12,709	1,295	6
CT	714	1,930	929	852	24	71
DE	623	1,315	1,351	4,149	68	1,036
FL	2,559	2,098	1,385	602	84	137
GA	2,440	3,229	5,567	3,680	407	4,350
IA	2,843	9,944	5,780	150,208	11,980	412
ID	8,405	8,791	746	8,014	865	4
IL	5,232	16,207	7,331	123,804	3,912	277
IN	3,916	13,509	5,700	63,449	2,462	825
KS	839	4,024	2,651	36,108	3,602	16
KY	1,341	4,348	3,131	21,778	962	1,491
LA	409	870	1,475	3,349	59	660
MA	665	2,946	597	1,592	28	26
MD	1,222	5,785	3,281	7,082	307	1,996
MI	1,210	5,746	1,005	17,284	740	96
MN	2,673	9,970	2,219	69,406	4,737	670
MO	2,073	8,601	4,997	45,586	2,279	1,346
MS	611	1,528	3,255	11,227	145	2,244

⁴ Table 5 in the main report defines these focus commodities, the total volume of each commodity moved on the HDAH, and the top 10 States for commodity tonnage flows on the HDAH.

⁵ Selected fruits and vegetables include apples, strawberries, oranges, watermelons, lettuce, dry onions, and potatoes other than sweet.

(continued) Table 2: Domestic Volume (in thousands of tons) of Focus Commodities Moved by Truck on HDAH by Commodity Group by State

State	Fruit & Vegetables ⁶	Milk (milk & dairy products)	Meat (fresh and frozen meat and poultry)	Grains (corns, soybeans, wheat)	Livestock (cattle, hogs)	Poultry (chickens, turkeys)
MT	1,897	725	435	2,699	574	3
NC	1,199	2,283	3,773	4,390	1,124	2,630
ND	1,916	1,005	303	22,470	558	22
NE	2,398	4,440	4,124	68,722	5,920	49
NJ	1,303	5,073	2,518	7,217	183	481
NM	1,613	4,403	1,475	1,851	313	7
NV	1,425	2,998	625	164	67	1
NY	1,936	12,389	2,082	11,713	250	185
OH	2,727	14,113	4,398	35,790	1,573	512
OK	1,369	6,941	3,580	11,488	2,914	227
OR	5,728	6,281	802	5,722	424	3
PA	2,957	17,755	4,579	19,357	787	815
RI	25	32	35	95	1	2
SC	1,095	1,657	2,787	2,164	426	1,810
SD	563	2,891	1,307	38,842	2,640	106
TN	1,580	4,985	4,923	17,016	734	1,802
TX	2,009	9,925	4,661	9,117	3,199	250
UT	3,379	6,771	1,930	3,162	394	44
VA	1,537	5,928	4,612	8,221	733	2,677
WA	8,069	4,305	784	9,314	503	4
WI	3,090	20,268	1,654	37,010	1,740	91
WV	815	4,775	2,677	2,497	216	420
WY	2,984	2,560	1,602	1,496	300	6

Source: Volpe Center analysis of 2018 IHS Markit Transearch data

⁶ Selected fruits and vegetables include apples, strawberries, oranges, watermelons, lettuce, dry onions, and potatoes other than sweet.

Table 3 shows the market value of focus commodities⁷ moved by truck on the HDAH by commodity group by State. The top ten States for domestic volume of commodities moved for each commodity group are bolded. Note that Alaska, Hawaii, and the District of Columbia are not listed in this table, because they have no HDAH. Section 5 of the full report and Appendix C include more information on how the HDAH are defined.

State	Fruit & Vegetables ⁸	Milk (milk & dairy products)	Meat (fresh and frozen meat and poultry)	Grains (corns, soybeans, wheat)	Livestock (cattle, hogs)	Poultry (chickens, turkeys)
AL	377.9	786.2	8,238.2	314.8	488.9	6,724.3
AR	584.6	1,577.6	12,362.6	3,801.7	559.9	8,855.3
AZ	1,389.8	978.4	4,507.9	73.0	79.6	19.3
CA	10,701.4	9,607.0	14,285.1	1,033.2	2,438.7	333.4
CO	1,414.2	2,455.7	7,657.2	1,388.4	2,864.4	16.6
CT	568.3	1,288.3	3,475.1	92.3	51.3	198.3
DE	517.8	935.0	4,892.0	665.0	149.8	2,881.5
FL	1,666.2	1,398.7	5,064.7	63.0	185.7	381.8
GA	1,861.4	2,135.8	18,759.8	514.9	895.0	12,096.8
IA	2,243.8	4,663.2	22,413.9	20,822.7	26,343.6	1,142.4
ID	5,886.8	3,590.0	2,794.7	950.2	1,893.1	13.4
IL	4,172.0	7,426.0	28,340.7	20,731.6	8,562.4	774.8
IN	3,256.5	6,344.9	22,001.7	10,107.8	5,357.7	2,297.5
KS	649.3	1,755.4	10,198.0	5,070.0	7,920.7	40.5
KY	932.9	2,600.9	11,554.0	3,812.3	2,086.4	4,149.9
LA	363.5	474.7	5,071.8	744.4	130.0	1,835.1
MA	500.5	1,798.8	2,228.9	162.0	61.7	73.8
MD	994.7	3,820.0	11,681.6	1,104.9	668.1	5,553.6
MI	829.5	2,478.3	3,926.8	2,267.4	1,555.0	268.4
MN	1,805.0	4,361.3	8,163.6	10,210.8	10,319.6	1,855.9
MO	1,912.8	4,336.5	18,552.3	8,610.1	5,008.4	3,749.5
MS	558.9	926.4	11,238.8	2,604.6	318.4	6,241.4

⁷ Table 5 in the main report defines these focus commodities and the total value of each commodity moved on the HDAH.

⁸ Selected fruits and vegetables include apples, strawberries, oranges, watermelons, lettuce, dry onions, and potatoes other than sweet.

(continued) Table 3: Market Value (in Millions of U.S. Dollars) of Focus Commodities Moved by Truck on HDAH by Commodity Group by State

State	Fruit & Vegetables ⁹	Milk (milk & dairy products)	Meat (fresh and frozen meat and poultry)	Grains (corns, soybeans, wheat)	Livestock (cattle, hogs)	Poultry (chickens, turkeys)
MT	1,345.5	379.2	1,613.3	357.5	1,247.9	9.5
NC	950.4	1,514.4	13,245.6	687.6	2,465.7	7,315.6
ND	1,291.8	543.3	1,106.6	3,717.5	1,193.7	54.9
NE	1,942.9	2,036.6	16,122.7	9,352.6	13,024.7	131.3
NJ	1,124.1	3,475.2	9,332.1	1,051.7	399.7	1,336.3
NM	1,729.3	1,812.4	5,223.0	199.9	685.7	19.9
NV	1,323.0	1,500.4	2,363.6	17.9	147.3	3.3
NY	1,545.1	6,711.1	7,647.1	1,324.4	513.9	520.4
OH	2,308.3	7,381.2	16,715.6	5,559.5	3,422.5	1,423.8
OK	1,540.3	3,189.1	12,861.7	1,790.7	6,405.2	622.5
OR	4,637.2	2,899.3	3,026.2	762.8	918.0	9.1
PA	2,513.9	9,864.8	17,312.7	2,308.4	1,680.8	2,268.2
RI	19.3	27.7	129.8	9.7	1.1	5.7
SC	834.7	1,180.1	9,417.8	316.6	936.3	5,034.7
SD	390.1	1,232.8	4,973.4	5,773.7	5,845.1	295.9
TN	1,249.9	3,072.0	17,665.8	3,431.6	1,593.7	5,010.6
TX	2,159.5	4,226.7	16,678.4	1,069.3	7,040.9	683.2
UT	2,799.2	2,929.8	7,332.1	361.7	861.6	123.7
VA	1,210.7	3,824.8	16,264.8	1,338.8	1,599.9	7,446.3
WA	5,757.3	1,981.0	2,970.3	1,226.8	1,089.9	10.2
WI	2,015.0	7,847.5	6,366.2	4,350.6	3,741.8	251.9
WV	745.0	2,820.4	9,882.8	313.1	472.0	1,168.8
WY	2,387.5	1,196.3	6,101.2	172.4	674.3	18.5

Source: Volpe Center analysis of 2018 IHS Markit Transearch data

⁹ Selected fruits and vegetables include apples, strawberries, oranges, watermelons, lettuce, dry onions, and potatoes other than sweet.

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